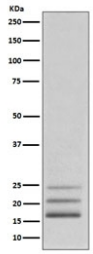
FGF2 Antibody / Fibroblast growth factor 2 [clone AOHC-6] (RQ5265)

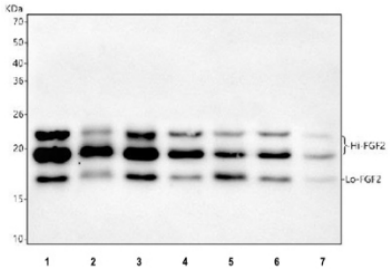
Catalog No.	Formulation	Size
RQ5265	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

Bulk quote request

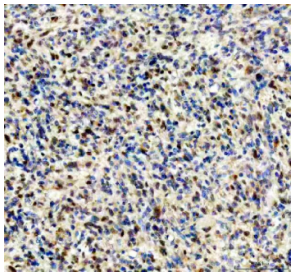
Availability	1-2 weeks
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	AOHC-6
Purity	Affinity purified
UniProt	P09038
Localization	Nucleus, Cytoplasm
Applications	Western Blot : 1:500-1:2000 Immunohistochemistry (FFPE) : 1:50
Limitations	This FGF2 antibody is available for research use only.



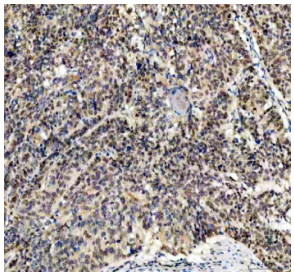
Western blot testing of human K562 cell lysate with FGF2 antibody. Predicted molecular weight: 17-31 kDa (multiple isoforms).



Western blot testing of human 1) HeLa, 2) SiHa, 3) A549, 4) U-251, 5) U-2 OS, 6) PC-3 and 7) SH-SY5Y cell lysate with FGF2 antibody. Predicted molecular weight: 17-31 kDa (multiple isoforms).



IHC staining of FFPE human glioma tissue with FGF2 antibody, HRP-secondary and DAB substrate. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human liver cancer tissue with FGF2 antibody, HRP-secondary and DAB substrate. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.

Description

FGF2 (Fibroblast growth factor 2) is a multifunctional growth factor involved in cell proliferation, differentiation, angiogenesis, and tissue repair. It acts by binding to fibroblast growth factor receptors (FGFRs) and activating downstream signaling cascades such as MAPK and PI3K pathways. Researchers rely on a FGF2 antibody to study these signaling events and their biological consequences.

FGF2 is expressed in a wide range of tissues and plays essential roles in embryonic development, wound healing, and vascular growth. Dysregulated FGF2 expression has been associated with cancer, cardiovascular disease, and neurological disorders. Using a FGF2 antibody provides researchers with a reliable tool for monitoring its expression and activity in normal physiology and disease.

NSJ Bioreagents offers a validated FGF2 antibody that delivers high specificity and reproducibility for applications such as western blot, immunohistochemistry, and ELISA. Selecting the right FGF2 antibody ensures accurate results in studies of cell signaling, development, and pathological conditions.

Application Notes

Optimal dilution of the FGF2 antibody should be determined by the researcher.

Immunogen

A synthetic peptide specific to human FGF2 was used as the immunogen for the FGF2 antibody.

Storage

Store the FGF2 antibody at -20oC.